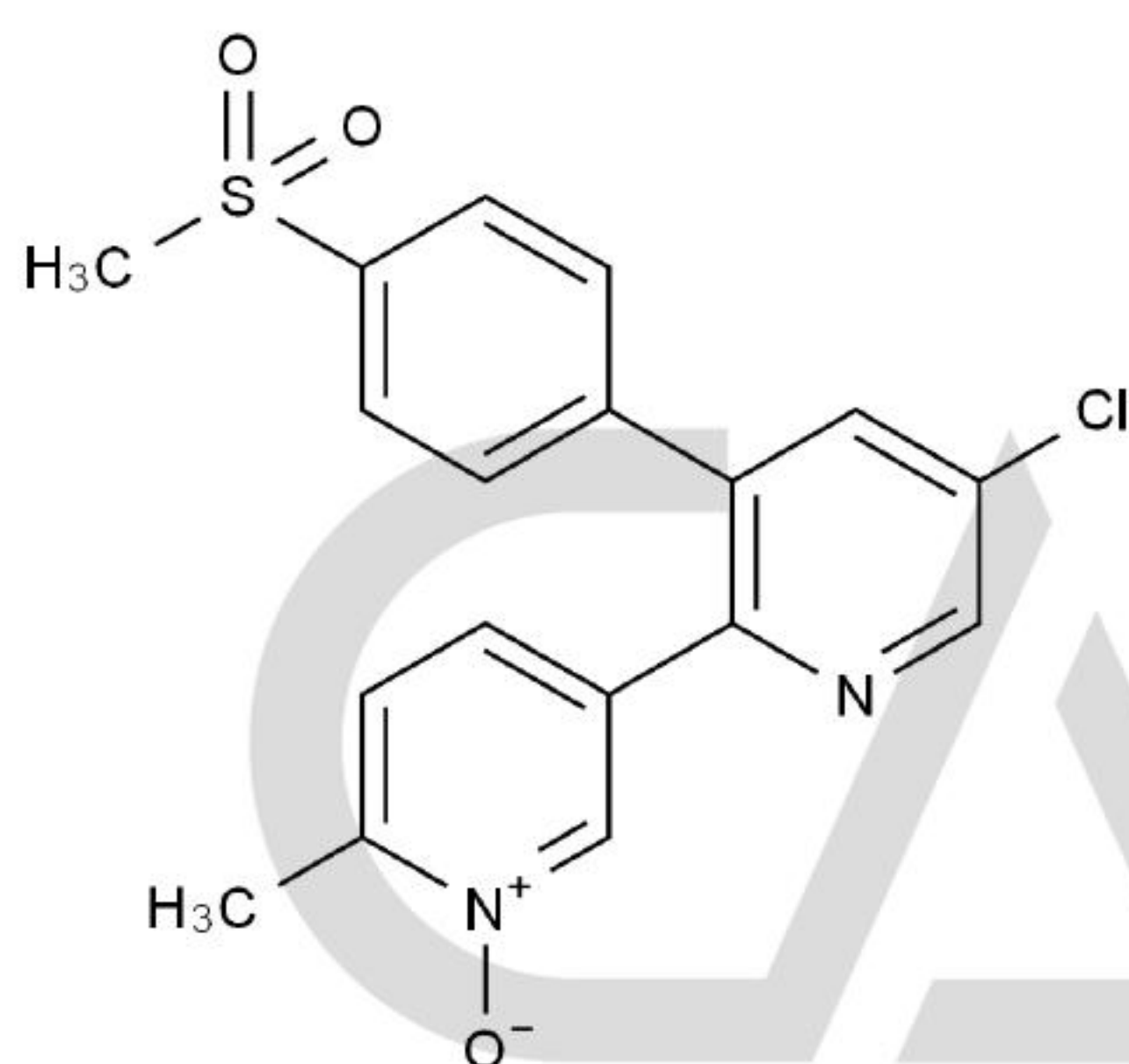


Certificate of Analysis

Reference Material & Standard

Product Name:	Etoricoxib Impurity 1	Catalogue Number:	C4X-10801
Synonyms:	5-[5-Chloro-3-[4-(methylsulfonyl)phenyl]-2-pyridinyl]-2-methylpyridine 1-oxide	Lot Number:	0609-RH-0052
CAS Number:	325855-74-1	Expiry Date:	Jun 16, 2030
Molecular Formula:	C ₁₈ H ₁₅ ClN ₂ O ₃ S	Storage:	-20°C±5°C Sealed
Molecular Weight:	374.84	Shipping Condition:	Shipping with Ice Packs
Solubility:	Soluble in Acetonitrile and DMSO		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&IR&CNMR&HNMR	Confirmed
Purity	HPLC	99.336%
Residue on Ignition	TGA	0.5727%
Loss on Drying	TGA	0.0287%
Assay	qNMR	98.6%
Assay	Mass Balance	98.7%

Comment:

- The retest date of this product is Jun 16, 2029.
- The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

$$\text{Assay (\%)} = (100\% - \text{Residue on Ignition} - \text{Loss on Drying}) * \text{Purity HPLC (\%)} / 100\%$$
 Residue on Ignition and Loss on Drying are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Koi

Reviewed by:

Alice

Approved by General Manager:

David

Date: Jun 17, 2026

Date: Jun 17, 2026

Date: Jun 17, 2026



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